ANDREW WINTERMAN

Urban Airship
334 NW 11th Ave.   13. Januar 2013
Portland, OR 97209

To whom it may concern:

I am applying for the Core Data Engineer position at Urban Airship on the strength of my past experience and the recommendation of Dan Colish, a fellow member of the Portland Python User's Group. I am excited by this opportunity to employ predictive statistics and machine learning in the context of push notification management.

I have experience at a boutique web development company prototyping data visualization methods, doing data analysis, and implementing machine learning algorithms for social media data. I do the full process, from data retrieval to processing to constructing working prototypes of visualizations. I make scale models of the finely polished product we push out the door. My data has, for the most part, been small enough for my aging IMac to handle it, but I have run large computations on Amazon's Elastic Cloud Compute, and written map-reduce jobs for the Elastic MapReduce web service.

I am detail oriented, patient, and a quick study. Although I do not currently speak Java, I have a history of picking up new languages quickly, whether they are natural or computer languages. Sharp and calm, I am a goal-oriented, team player, eager to contribute. I look forward to discussing my background and the Core Data Engineer position at Urban Airship, either over the phone or in person.

Thank you,
Andrew Winterman

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A N D R E W   W I N T E R M A N

Critical, creative thinker, quick learner, disciplined, numerate.
Education: Reed College (2010) Mathematics BA, Thesis.
Specialties: Data Visualization, Machine Learning, Statistics.

Employment History

DATA SCIENTIST *Periscopic*	Translate data into graphics for intuitive interpretation. Implement software for machine learning, data analysis. Research new projects, make sense of data from diverse sources (economics, ecology, epidemiology, technology, etc.). Prototype visualization methods uniquely suited to the data set and to the needs of the client.	Aug 2011 Present
REU INTERN *Reed College*	Repaired and improved available statistical tools for cDNA microarray analysis using the R programming language. Collaborated with a team of undergraduates under Professors Renn and Jones.	May 2010 Aug 2010
RESEARCHER *University of Puerto Rico*	Investigated multiferroics properties of certain thin films at Spectrum Labratories, Rio Piedras campus. Coauthored a scientific paper describing work completed.	Oct 2008 Dec 2008
DAAD INTERN *University of Münster*	Operated tomographic atom probe, transmission electron microscope, and field ion microscope at the Institue for Material Physics. Investigated effect of extreme temperatures on the rate of diffusion of nano-materials.	May 2008 Sep 2008

Skills, Interests & Expertise

COMPUTER LANGUAGES	Proficient in Python, R, Javascript (D3), SVG. Familiar with HTML, CSS, MySQL, SQLite. Exposure to Clojure, Haskell. Contributor to Scikit-Learn, a machine learning toolkit.
RELEVANT COURSEWORK	*OHSU*: Biostatistics, Epidemiology. *Reed College*: Mathematical Statistics, Probability, Abstract & Linear Algebra, Advanced Topics in Epistemology: Computation.
INTERESTS	*Languages*: Fluent in Spanish. Intermediate German. *Hobbies*: Cooking, drawing (pencil, pen & ink wash, charcoal), Ultimate Frisbee. Craft coffee and microbrews.

Community Involvement

STUDENT LEADER *Reed College*	Led four day backpack in Mt. Adams wilderness area for incoming Reed College freshmen. Responsibilities include group safety, organizing meals, clean water, tending group morale.	Aug 2010
ORGANIZER *Jump Rope Club*	Student Health: Installed jump ropes in lobby of Reed College library to combat stress culture, encouraging students to exercise as a study break.	Feb 2009 Apr 2009
TEACHER *Voz Workers' Rights Project*	Taught English to Latin American adult day laborers. Focused on vocabulary, pronunciation.	Oct 2009
VOLUNTEER *Ayuda Directa*	Constructed dust-free building in remote Andean village to properly house government issued computers. Tutored English vocabulary and grammar.	Aug 2007

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